

WHAT IS CLAIMED IS:

1. An electronic equipment, comprising:
a display portion for switching and displaying a two-dimensional image and a three-dimensional image by selecting formation of a parallax optic; and
5 a control portion for controlling display on said display portion, said control portion instructing switching of the display between said two-dimensional image and said third-dimensional image involving said parallax optic, and generating data for two-dimensional display and data for three-dimensional display from common data based on said
10 instruction.
2. The electronic equipment according to claim 1, wherein said display portion includes a liquid crystal device electrically selecting presence/absence of said parallax optic.
3. The electronic equipment according to claim 2, wherein said liquid crystal device includes a two-dimension/three-dimension switching liquid crystal device and a patterning phase contrast plate.
4. The electronic equipment according to claim 2, wherein said liquid crystal device includes a liquid crystal device selectively performing pattern display of a parallax barrier.
5. The electronic equipment according to claim 1, wherein said common data includes image data corresponding to several views, and
said control portion generates said data for the two-dimensional
5 display based on one of said image data corresponding to said several views.
6. The electronic equipment according to claim 5, wherein said display portion includes a liquid crystal device electrically selecting

presence/absence of said parallax optic.

7. The electronic equipment according to claim 6, wherein said liquid crystal device includes a two-dimension/three-dimension switching liquid crystal device and a patterning phase contrast plate.

8. The electronic equipment according to claim 6, wherein said liquid crystal device includes a liquid crystal device selectively performing pattern display of a parallax barrier.

9. The electronic equipment according to claim 1, wherein said common data includes image data corresponding to said several views, and

5 said control portion generates said data for the two-dimensional display based on one of said image data corresponding to said several views extracted selectively.

10. The electronic equipment according to claim 9, wherein said display portion includes a liquid crystal device electrically selecting presence/absence of said parallax optic.

11. The electronic equipment according to claim 10, wherein said liquid crystal device includes a two-dimension/three-dimension switching liquid crystal device and a patterning phase contrast plate.

12. The electronic equipment according to claim 10, wherein said liquid crystal device includes a liquid crystal device selectively performing pattern display of a parallax barrier.

13. The electronic equipment according to claim 1, wherein said common data includes image data representing a two-dimensional image,
 said data for three-dimensional display includes image data

5 corresponding to said several views, and
said control portion generates said image data corresponding to said
several views based on said image data representing the two-dimensional
image.

14. The electronic equipment according to claim 13, wherein said
display portion includes a liquid crystal device electrically selecting
presence/absence of said parallax optic.

15. The electronic equipment according to claim 14, wherein said
liquid crystal device includes a two-dimension/three-dimension switching
liquid crystal device and a patterning phase contrast plate.

16. The electronic equipment according to claim 14, wherein said
liquid crystal device includes a liquid crystal device selectively performing
pattern display of a parallax barrier.

17. An electronic equipment, comprising:

a memory for storing common data used commonly for display of a
two-dimensional image and display of a three-dimensional image;

5 a display portion for displaying one of said two-dimensional image
and said three-dimensional image by selectively forming a state where
optical parallax is generated;

a display control portion for controlling an operation of said display
portion based on an input signal; and

10 a control portion for controlling said memory and an operation of
said display control portion,

said control portion detecting an instruction to display one of said
two-dimensional image and said three-dimensional image, generating data
for the display of said two-dimensional image and data for the display of
said three-dimensional image based on said common data read from said
15 memory in accordance with said instruction, and outputting a command for
enabling the display of one of said two-dimensional and three-dimensional

images and said generated data for the display, to said display control portion.

18. The electronic equipment according to claim 17, wherein
said display portion includes
a plurality of display elements and
switching means for causing said optical parallax to be selectively
5 generated with respect to images displayed by said plurality of display
elements,
said two-dimensional image is displayed when said switching means
attains a state where said optical parallax is not generated,
said common data includes data corresponding to several eye
10 position,
said data corresponding to several views correspond to respective
said display elements, and
said control portion generates the data for the display of said two-
dimensional image based on portions of said data corresponding to said
15 several views read from said memory.

19. The electronic equipment according to claim 18, wherein
said display portion displays said two-dimensional image based on
said data for the display of a predetermined amount, and
said control portion generates said data for the display of said
5 predetermined amount by duplicating one of said data corresponding to
said several views read from said memory.

20. The electronic equipment according to claim 18, wherein
said display portion displays said two-dimensional image based on
said data for the display of a predetermined amount,
data corresponding to said display elements include first data for
5 causing parallax to exceed predetermined parallax and second data for
causing parallax not to exceed said predetermined parallax, and
said control portion generates duplicate data by duplicating said

first data on a predetermined basis, and generates said data for the display of said predetermined amount by combining said first data, said duplicate data and said second data.

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